

# Appendix A4.4.2



## Alberta Police Recruit Selection Guidelines

### HEARING REPORT – FORM

For Police Constable Applicants



Alberta Justice and Solicitor General

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Alberta

HEARING REPORT

Examination MUST have been completed within 12 months of application.

|                          |          |             |                       |         |
|--------------------------|----------|-------------|-----------------------|---------|
| <b>NAME OF APPLICANT</b> |          | SURNAME     | GIVEN NAMES           | INITIAL |
| ADDRESS OF APPLICANT     |          |             |                       |         |
| CITY                     | PROVINCE | POSTAL CODE | DATE OF BIRTH<br>YYYY | MM DD   |

HEARING STANDARDS FOR POLICE OFFICER APPLICANTS

|  |                                       |                             |    |                         |
|--|---------------------------------------|-----------------------------|----|-------------------------|
| <b>AUDIOLOGIST / OTOLARYNGOLOGIST</b>    | NAME OF AUDIOLOGIST/OTOLARYNGOLOGIST: | DATE OF EXAMINATION<br>YYYY | MM | DD                      |
| ADDRESS OF AUDIOLOGIST/OTOLARYNGOLOGIST: |                                       |                             |    |                         |
|  |                                       |                             |    | TELEPHONE NUMBER<br>[ ] |

| PURE TONE THRESHOLDS IN HL | 500 | 1000 | 2000 | 3000 | 4000 |
|----------------------------|-----|------|------|------|------|
| RIGHT EAR                  |     |      |      |      |      |
| LEFT EAR                   |     |      |      |      |      |

PLACE A LARGE "X" IN THE APPROPRIATE BOX

I certify that the above named individual...  Meets  Does Not Meet  
the hearing requirements for a Police Officer applicant as indicated in Unaided Criteria I, II or Unaided Criteria IA and Aided Criteria.

|                                      |              |    |    |
|--------------------------------------|--------------|----|----|
| SIGNATURE OF TECHNICIAN/NURSE/DOCTOR | DATE<br>YYYY | MM | DD |
| SIGNATURE OF APPLICANT               | DATE<br>YYYY | MM | DD |

**Note:** All hearing test result will be verified by a Pre-Employment Occupational Health and Safety Medical prior to employment.



## **ALBERTA POLICE RECRUIT SELECTION STANDARDS SUPPLEMENTARY HEARING INFORMATION FOR AUDIOLOGISTS**

The auditory requirements of a police constable's routine duties are such that the constable's life may depend on the ability to hear, localize and understand a variety of environmental and speech sounds, including soft sounds. The constable should hear well enough to avoid undue risk to bystanders and to herself/himself and to protect the public from harm

The hearing requirements of the Alberta Police Recruit Selection Standards were developed based on task and job analysis and an expert opinion. The standard is based on the recognition that, for the police constable, hearing acuity, word discrimination and sound localization are important dimensions of hearing competency required to perform job-related tasks safely and effectively.

### ***Alberta Police Recruit Selection Standards – Hearing Standards***

#### **Unaided Criteria I**

Pure-tone threshold measured under audiometric earphones shall not exceed 25dB HL in each ear at the following frequencies: 500, 1000, 2000, 3000 and 4000 Hz.

#### **Unaided Criteria II**

For each ear, pure-tone thresholds measured under audiometric earphones shall not exceed a four-frequency average (500, 1000, 2000, 3000 Hz) of 25dB HL, thresholds at none of these single frequencies shall exceed 35 dB HL and thresholds at 4000 Hz shall not exceed 45 dB HL. In addition, speech recognition scores shall be 88% or better in each ear at 50dB HL in quiet, using half lists (25 test words) of recorded monosyllabic words presented under standard audiometric earphones. The lists of Northwestern University Test No. 6 are to be used for word discrimination testing, to achieve consistency across test sites. Furthermore, speech recognition scores measured with both ears open in sound field shall be 68% or better at a 5+ signal-to-noise (S/N) ration, when a half-list (25 test words) of recorded monosyllabic words is presented at 50 dB HL. For measurement, both the word list and competing speech noise shall be presented at 0° azimuth (i.e. from one speaker located directly in front of the candidate).

#### **Unaided Criteria IA**

Pure-tone thresholds measured under audiometric earphones shall not exceed 40 dB HL in each ear at the following frequencies: 500, 1000, 2000, 3000; and shall not exceed 55 dB HL at 4000 Hz.

- If the standards are met the applicant can proceed to Aided Criteria with any hearing aid.
- If the application does not meet hearing standards, accommodation with a hearing aid is not allowed.

## **Aided Criteria**

**NOTE:** Individual assessments by an audiologist are recommended for candidates with any type of hearing aid, who then must decide whether the candidate is able to perform within the CSS Hearing Performance Standard criteria established for the sound field.

For each ear, narrow-band or warbled-tone thresholds measured in a calibrated sound field at 0° azimuth shall not exceed a four-frequency average (500, 1000, 2000 and 3000 Hz) of 25 dB HL; thresholds at none of these single frequencies shall exceed 35 dB HL, and threshold at 4000 Hz shall not exceed 45 dB HL. Measurements shall be made monaurally in an audiometric sound field with the aided (non-test) ear plugged or, when necessary, effectively masked. (Measurements of aided threshold may also be expressed as real-ear aided response, using probe-microphone measurements with sound pressure levels appropriately converted to hearing levels). In addition, speech recognition scores in sound field shall be 88% or higher in each aided ear (with the non-test ear plugged or appropriately masked) using half-lists (25 words) or recorded, monosyllabic words (Northwestern University NU-6 lists) presented at 50 dB HL in quiet at 0° azimuth. Furthermore, monaurally or binaurally aided speech recognition scores measured in sound field shall be 68% or higher at a +5 dB S/N ration, when NU-6 half lists are presented at 50 dB HL. Both the word list and competing speech noise shall be presented at 0° azimuth. Hearing aids worn shall be adjusted to those settings used in the "Hearing Acuity" portion of this criterion.

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